

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	145040	(((381/345).ccls.)and@ay<=2000). CCLS. different near2 frequen\$4	USPAT; USOCR  US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR  OR	OFF  OFF	2006/06/05 15:44  2006/06/08 09:33
L2	216178	(different near2 frequen\$4) or (predetermined near2 frequen\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/08 09:35
L8	499026	tun\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/08 09:36
L9	2146232	chamber\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/08 09:36
L10	6356	resonator same chamber	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/08 09:36
L11	13	L8 and L9 and L10 and L2 and (("381"/\$).ccls.) and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/08 09:37
L12	60	L8 and L9 and L10 and L2 and (("181"/\$).ccls.) and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/08 09:38

## EAST Search History

S1	339	"5465629" "4429702" "6383492" "5735229" "4574632" "5313525" "4561298" "5625172" "4501341" "5031500" "5248846" "5457749" "5917193" "4943161" "4435974" "5509299" "4558597" "4899573" "5287412" "5479520" "5841857" "5228339" "5263371" "5341808" "5448904" "4760819" "6298140" "5475764" "5801344" "4560028" "5365025" "5444198" "4379211" "5517573" "5809154" "5457291" "5693918" "6021612" "6033756" "4944019" "5694374" "5892183" "5930371" "5975236" "5036946" "5508477" "5745588" "6109304" "5009280" "5009281"	USPAT; EPO	OR	OFF	2006/06/05 11:09
S2	51	((("5465629") or ("4429702") or ("6383492") or ("5735229") or ("4574632") or ("5313525") or ("4561298") or ("5625172") or ("4501341") or ("5031500") or ("5248846") or ("5457749") or ("5917193") or ("4943161") or ("4435974") or ("5509299") or ("4558597") or ("4899573") or ("5287412") or ("5479520") or ("5841857") or ("5228339") or ("5263371") or ("5341808") or ("5448904") or ("4760819") or ("6298140") or ("5475764") or ("5801344") or ("4560028") or ("5365025") or ("5444198") or ("4379211") or ("5517573") or ("5809154") or ("5457291") or ("5693918") or ("6021612") or ("6033756") or ("4944019") or ("5694374") or ("5892183") or ("5930371") or ("5975236") or ("5036946") or ("5508477") or ("5745588") or ("6109304") or ("5009280") or ("5009281"))).PN.	USPAT; EPO	OR	OFF	2005/03/25 11:30
S3	0	("resonator").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/26 09:08
S5	3776	resonator same chamber	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/07 16:28
S6	1278	resonator same chamber same(tun\$4 port)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/26 09:11

## EAST Search History

S7	1278	resonator same chamber same(tun\$4 port) and ay@<="2000"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/26 13:56
S8	842	resonator same chamber same(tun\$4 port) same frequency and ay@<="2000"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/26 12:36
S9	160	resonator same chamber same(tun\$4 port) same frequency same acoustic and ay@<="2000"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/26 09:19
S10	44	resonator same chamber same(tun\$4 port) same frequency same acoustic and @ay<="2000"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/26 10:06
S11	8	resonator same chamber same(tun\$4 port) same frequency same acoustic and @ay<="2000"	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/26 10:06
S12	1	resonator same chamber same(test\$4 adj cell) same frequency and ay@<="2000"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/26 12:37
S13	0	resonator same chamber same(test\$4 adj cell) same frequency and @ay<="2000"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/26 12:38
S14	0	resonator same chamber same(test\$4 adj cell) and @ay<="2000"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/26 12:38
S15	5	resonator and chamber and(test\$4 adj cell) and @ay<="2000"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/26 13:46
S16	8	resonator and chamber and compas\$6 and @ay<="2000"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/26 13:49
S17	323	resonator and chamber and encompass\$6 and @ay<="2000"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/26 13:49
S18	2	resonator same chamber same(tun\$4 port) same encompass\$6 and @ay<="2000"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/26 13:51
S19	200	resonator and chamber and (tun\$4 port) and encompass\$6 and @ay<="2000"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/26 13:56
S20	2	resonator and chamber and (tun\$4 adj port) and encompass\$6 and @ay<="2000"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/26 13:55
S21	0	resonator and chamber and (tun\$4 adj port) and encompass\$6 and @ay<="2000"	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/26 13:55

## EAST Search History

S22	2	resonator and chamber and (tun\$4 adj port) and encompass\$6 and @ay<="2000"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/26 13:56
S23	2	resonator same chamber same(tun\$4 adj port) and ay@<="2000"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/26 13:57
S24	12	resonator and chamber and (tun\$4 adj port) and ay@<="2000"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/26 13:57
S25	10	resonator and chamber and (tun\$4 adj port) and @ay<="2000"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/26 13:57
S26	1	resonator same chamber same 5m	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/27 17:08
S27	0	resonator same chamber same 5m	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/27 17:08
S28	35	resonator and chamber and 5m	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/28 11:24
S29	0	resonator and chamber and ("5" adj cubin adj meter\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/27 17:23
S30	0	tun\$4 adj port adj circuit	USPAT; EPO	OR	OFF	2005/04/28 11:12
S31	0	tun\$4 adj port adj circuit	USPAT; EPO	OR	OFF	2006/06/01 16:03
S32	0	test\$4 adj volume adj circuit	USPAT; EPO	OR	OFF	2005/04/28 11:13
S33	1	test\$4 adj volume adj circuit	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/28 11:14
S34	1	tun\$4 adj port adj circuit	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/28 11:14
S35	0	tun\$4 adj port adj circuit	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/28 11:14
S36	0	test\$4 adj volume adj circuit	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/28 11:14
S37	48	resonator and chamber and 5m or (five adj cube)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/28 11:25
S38	2	((("3990069") or ("3990063")).PN.	USPAT; USOCR	OR	OFF	2005/04/28 17:01

## EAST Search History

S39	4346	(acoustic or audio or sound) same (test\$4 or monitor\$3) same (chamber\$2 or hous\$4 or room)	USPAT	OR	ON	2005/04/28 17:03
S40	9230	(acoustic or audio or sound) same (test\$4 or monitor\$3) same (chamber\$2 or hous\$4 or room)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/28 17:03
S41	205	(acoustic or audio or sound) same (test\$4 or monitor\$3) same (chamber\$2 or hous\$4 or room) same resonat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/28 17:04
S42	57	(acoustic or audio or sound) same (test\$4 or monitor\$3) same (chamber\$2 or hous\$4 or room) same resonat\$4 and @ay<="2000"	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/29 09:43
S43	64	(acoustic or audio or sound) same (test\$4 or monitor\$3) same (chamber\$2 or hous\$4 or enclosure\$2 or room) same resonat\$4 and @ay<="2000"	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/29 11:11
S44	50453	high-intensity or high adj intensity	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/29 11:29
S45	3	S43 and S44	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/29 11:26
S46	8	"3598081"	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/29 11:27
S47	2171	(high-intensity or high adj intensity) same (acoustic or audio or sound)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/29 11:30
S48	266	(high-intensity or high adj intensity) same (acoustic or audio or sound)same (chamber\$4 or enclosure\$2)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/29 11:31
S49	31	(high-intensity or high adj intensity) same (acoustic or audio or sound)same (chamber\$4 or enclosure\$2 or port\$1) same resonat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/29 12:13
S50	213	(high-intensity or high adj intensity) and (acoustic or audio or sound)and (chamber\$4 or enclosure\$2 or port\$1) and resonat\$4 and @ay<="2000"	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/29 12:14

## EAST Search History

S51	430	infrasonic "5341808" "5448904" "4760819" "6298140" "5475764" "5801344" "4560028" "5365025" "5444198" "4379211" "5517573" "5809154" "5457291" "5693918" "6021612" "6033756" "4944019" "5694374" "5892183" "5930371" "5975236" "5036946" "5508477" "5745588" "6109304" "5009280" "5009281"	USPAT; EPO	OR	OFF	2005/04/29 16:49
S52	360	infrasonic	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/29 16:50
S53	206	infrasonic same (acoustic or audio or sound)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/05 09:32
S54	129	infrasonic same (acoustic or audio or sound) and @ay<="2000"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/29 16:51
S55	38395	resonator	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/30 09:57
S56	259	((381/58).ccls.)	USPAT; EPO	OR	OFF	2006/01/04 16:25
S57	106	((381/66).ccls.)	USPAT; EPO	OR	OFF	2005/04/30 13:38
S58	81	((181/182).ccls.)	USPAT; EPO	OR	OFF	2005/04/30 13:38
S59	0	("9749861").PN.	USPAT; USOCR	OR	OFF	2006/01/04 16:15
S60	1	("3990069").PN.	USPAT; USOCR	OR	OFF	2006/01/04 16:16
S61	256	((381/58).ccls.) and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/04 16:25
S62	13	((381/58).ccls.) and chamber\$1 and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/05 16:29
S63	9	((381/56).ccls.) and chamber\$1 and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/05 12:01

## EAST Search History

S64	3	infrasonic and (acoustic or audio or sound) and (low adj sonic) and chamber\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/05 09:33
S65	6	"3550720"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/05 11:58
S66	13	"3990069"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/05 11:58
S67	12	("3513463").PN. OR ("3990069"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/05 12:00
S68	13	((181/182).ccls.) and chamber\$1 and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/05 12:04
S69	0	((181/181).ccls.) and chamber\$1 and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/05 12:04
S70	39	((181/198).ccls.) and chamber\$1 and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/05 16:24
S71	153	((181/199).ccls.) and chamber\$1 and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/05 16:24
S72	27	((381/337).ccls.) and chamber\$1 and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/05 16:30
S73	48	((381/338).ccls.) and chamber\$1 and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/01 16:38

## EAST Search History

S74	106	((381/345).ccls.) and chamber\$1 and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/05 16:34
S75	17	((381/395).ccls.) and chamber\$1 and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/05 16:35
S76	24	((381/71.1).ccls.) and chamber\$1 and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/07 16:26
S77	53	((381/71.5).ccls.) and chamber\$1 and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/05 16:37
S78	12	((381/162).ccls.) and chamber\$1 and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/05 16:37
S79	459	tun\$4 adj port	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/01 16:05
S80	7034	chamber and resonator and frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/01 16:06
S81	9	S79 and S80 and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/01 16:06
S82	49	((381/338).ccls.) and chamber\$1 and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/01 16:40



## EAST Search History

S83	18	((381/338).ccls.) and chamber\$1 and tun\$4 and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/01 16:40
S84	1	("4357852").PN.	USPAT; USOCR	OR	OFF	2006/06/02 11:40
S85	738	((381/345).ccls.) and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/05 11:12
S86	101	((381/345).ccls.) and tube and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/07 14:23
S87	67	((381/345).ccls.) and tun\$4 and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/05 11:22
S88	47	((381/349).ccls.) and tun\$4 and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/05 11:40
S89	0	((381/451).ccls.) and tun\$4 and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/07 16:27
S90	39	((181/155).ccls.) and tun\$4 and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/05 11:43
S91	6	((181/166).ccls.) and tun\$4 and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/05 11:43
S92	0	((381/451).ccls.) and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/05 11:44
S93	23	((381/351).ccls.) and tun\$4 and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/05 11:44
S94	1	("4819269").PN.	USPAT; USOCR	OR	OFF	2006/06/05 12:52
S95	1	("6504938").PN.	USPAT; USOCR	OR	OFF	2006/06/05 15:44

## EAST Search History

S96	14	((381/58).ccls.) and tube and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/07 14:25
S97	22	((381/58).ccls.) and tun\$4 and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/07 14:25
S98	25	((381/71.1).ccls.) and chamber\$1 and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/07 16:27
S99	498469	tun\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/07 16:27
S100	2145342	chamber\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/07 16:28
S101	6354	resonator same chamber	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/07 16:28
S102	145094	different near2 frequen\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/08 09:33
S103	124	S99 and S100 and S101 and S102 and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/07 16:32
S104	10	S99 and S100 and S101 and S102 and ("381"/\$.ccls.) and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/08 09:36

## EAST Search History

S10 5	40	S99 and S100 and S101 and S102 and (("181"/\$).ccls.) and @ay<="2000"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/07 16:34
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